

53. (Once Amended) An isolated human antibody or portion thereof produced by immunizing an animal with a protein selected from the group consisting of:

- B2
SUB
CA
- (a) a protein whose sequence comprises amino acid residues 1 to 323 of SEQ ID NO:16;
 - (b) a protein whose sequence comprises at least 30 contiguous amino acid residues of SEQ ID NO:16; and
 - (c) a protein whose sequence comprises at least 50 contiguous amino acid residues of SEQ ID NO:16,
- wherein said antibody or portion thereof specifically binds to the amino acid sequence of SEQ ID NO:16.